

PTO/SB/51 (12-97)

Approved for use through 9/30/00. OMB 0651-0033

Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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## REISSUE APPLICATION DECLARATION BY THE INVENTOR

Docket Number (Optional)

93698-US

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed in patent number 5,818,839, granted October 6, 1998, and for which a reissue patent is sought on the invention entitled TIMING REFERENCE FOR SCHEDULING DATA TRAFFIC ON MULTIPLE PORTS

the specification of which

☐ is attached hereto.

☒ was filed on October 5, 2000 as reissue application number 09 / 679,192 and was amended on \_\_\_\_\_ (If applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

☒ by reason of a defective specification or drawing.

☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.

☐ by reason of other errors.

At least one error upon which reissue is based is described as follows:

The specification in the issued patent is defective at column 3, line 1 in that a cell is transmitted from the VC which is scheduled at that time and the statement "that VC is rescheduled for a later time slot in the calendar" is in error.

Additionally the patentee claimed less than he had the right to claim in the patent.

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 0.5 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/51 (12-97)

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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)		Docket Number (Optional) 93698-US	
All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.			
Name(s)		Registration Number	
George M. MacGregor		37,547	
Richard Mitchell		34,519	
Correspondence Address: Direct all communications about the application to:			
<input type="checkbox"/> Customer Number		<div style="border: 1px solid black; width: 150px; height: 20px; display: flex; align-items: center; justify-content: center;"> <div style="width: 100%; height: 100%; background: linear-gradient(to right, transparent 49%, black 49%, black 51%, transparent 51%);"></div> </div>	
OR		Type Customer Number here	
		Place Customer Number Bar Code Label here	
<input type="checkbox"/> Firm or Individual Name	Marks & Clerk		
Address	P.O. Box 957		
Address			
City	Ottawa	State	Ontario
Country	Canada	ZIP	K1P 5S7
Telephone		Fax	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.			
Full name of sole or first inventor (given name, family name)			
Jason T. Sterne			
Inventor's signature			
Residence		Date	
123 Young St., Ottawa		Jan 16, 2001	
Post Office Address		Citizenship	
K1Y 3P8		Canadian	
Full name of second joint inventor (given name, family name)			
David W. Carr			
Inventor's signature			
Residence		Date	
		Jan 9, 2001	
Post Office Address		Citizenship	
16 SARRAZIN WAY NEPEAN ON K2J 3Z5 CANADA		CANADIAN	
Full name of third joint inventor (given name, family name)			
Joey M. Chow			
Inventor's signature			
Residence		Date	
10 ELMBANK CRES		Jan 18, 2001	
Post Office Address		Citizenship	
NEPEAN, ON, K2G 3P6.		CANADIAN	
<input type="checkbox"/> Additional joint inventors are named on separately numbered sheets attached hereto.			

(Page 2 of 2)

PTO/SB/96 (6-98)  
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 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Jason T. Sterne et. al.Application No./Patent No.: 5,818,839 Filed/Issue Date: October 6, 1998Entitled: TIMING REFERENCE FOR SCHEDULING DATA TRAFFIC ON MULTIPLE PORTS✓ Canada Inc. ✓ M 58  
Alcatel Networks Corporation, a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or  
 2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Inventors To: Newbridge Networks Corporation  
 The document was recorded in the Patent and Trademark Office at  
 Reel 8730, Frame 0243, or for which a copy thereof is attached.
2. From: Newbridge To: Alcatel Networks Corporation  
 The document was recorded in the Patent and Trademark Office at  
 Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: ALCATEL NETWORKS CORPORATION To: ALCATEL CANADA INC.  
 The document was recorded in the Patent and Trademark Office at  
 Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☒ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments or other documents in the chain of title are attached.

(NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8)

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

February 2, 2001  
 Date

MARGOT E. PHNET  
 Signature

MARGOT E. PHNET  
 Typed or printed name

Assistant Secretary  
 Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

3.



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

NOVEMBER 07, 1997

PTAS

MARKS & CLERK  
GEORGE M. MACGREGOR  
P.O. BOX 957, STATION B.  
55 METCALFE STREET, SUITE 1380  
OTTAWA, ONTARIO CANADA K1P 5S7



\*100549204A\*

a3698-US

UNITED STATES PATENT AND TRADEMARK OFFICE  
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THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/03/1997

REEL/FRAME: 8730/0243  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
STERNE, JASON T.

DOC DATE: 06/25/1997

ASSIGNOR:  
CARR, DAVID W.

DOC DATE: 06/23/1997

ASSIGNOR:  
CHOW, JOEY M.W.

DOC DATE: 06/20/1997

ASSIGNEE:  
NEWBRIDGE NETWORKS CORPORATION  
P.O. BOX 13600  
600 MARCH ROAD  
KANATA ONT., CANADA K2K 2E6SERIAL NUMBER: 08884625  
PATENT NUMBER:FILING DATE:  
ISSUE DATE:

8 0/0243 PAGE 2

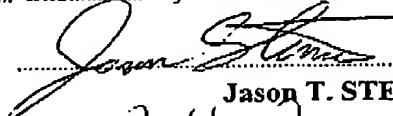
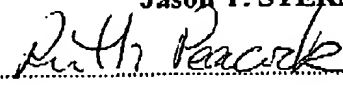
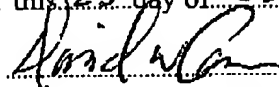

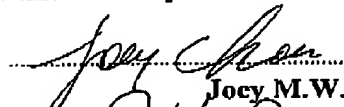

PEARLENE FOSTER, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

## ASSIGNMENT

WHEREAS, Jason T. STERNE, David W. CARR and Joey M.W. CHOW, residing at 463 Slater St., Ottawa, Ontario K1R 5C2 Canada, 16 Sarrazin Way, Nepean, Ontario K2J 3Z5 Canada, and 10 Elmbank Cres., Nepean, Ontario K2G 3P6 Canada, respectively, have invented improvements in **TIMING REFERENCE FOR SCHEDULING DATA TRAFFIC ON MULTIPLE PORTS** for which an application for United States Letters Patent has been executed by us even date herewith and

WHEREAS, Newbridge Networks Corporation whose full post office address is P.O. Box 13600, 600 March Road, Kanata, Ontario K2K 2E6 Canada, as assignee, is desirous of acquiring all right, title and interest in and to said invention and any Letters Patent that may be granted therefor.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I, as assignor hereby sell, assign and set over to said assignee the entire right, title and interest for the United States of America and all other countries, in and to said invention and the aforesaid application for Letters Patent, all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for themselves and their legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interference or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

Signed at Kanata this 25 day of June 1997  
Jason T. STERNE  
  
(Witness)Signed at Kanata this 23 day of June 1997  
David W. CARR  
  
(Witness)Signed at KANATA ONT this 20<sup>th</sup> day of JUNE 1997  
Joey M.W. CHOW  
  
(Witness)



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
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Washington, D.C. 20231

JANUARY 05, 2001

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SUITE 1380, 280 SLATER STREET  
OTTAWA, ONT K1P 1C2



\*101508870A\*

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RECORDATION DATE: 10/03/2000

REEL/FRAME: 011204/0328  
NUMBER OF PAGES: 5

BRIEF: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

NEWBRIDGE NETWORKS CORPORATION

DOC DATE: 06/21/2000

ASSIGNEE:

ALCATEL NETWORKS CORPORATION  
600 MARCH ROAD  
P.O. BOX 13600  
KANATA, ONTARIO K2K 2E6

SERIAL NUMBER: 08884625  
PATENT NUMBER: 5818839

FILING DATE: 06/27/1997  
ISSUE DATE: 10/06/1998

SHAREILL COLES, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

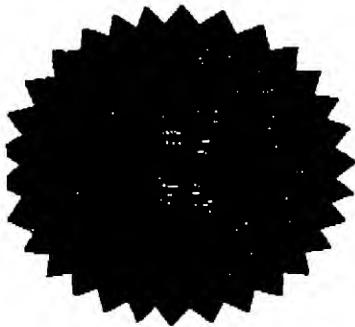


PROVINCE OF ONTARIO

TO WIT:

I, ALEX J. KILGOUR, of the City of Ottawa, in the Province of Ontario, a notary public in and for the Province of Ontario by royal authority duly appointed, do certify that the document hereto annexed is a true photostatic copy of the document produced and shown to me and purporting to be the Certificate of Amendment for Alcatel Networks Corporation Societe Par Actions De Regime Federal De Reseaux Alcatel dated May 25, 2000 issued under the *Canada Business Corporations Act*, the said copy has been compared by me with the said original document, an act whereof being requested I have granted the same under my notarial form and seal of office to serve and avail as occasion shall or may require.

IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my notarial seal at the City of Ottawa, this 21<sup>st</sup> day of June, 2000.



A Notary Public in and for the Province  
of Ontario



Industry Canada  
Corporations Directorate  
9th floor  
Jean Edmonds Towers South  
365 Laurier Avenue West  
Ottawa, Ontario K1A 0C8

Industrie Canada  
Direction générale des Corporations  
9e étage  
Tour Jean Edmonds sud  
365, avenue Laurier ouest  
Ottawa (Ontario) K1A 0C8

May 25, 2000 / le 25 mai 2000

Your file - Votre référence

ORYSIA SEMOTIUK  
STIKEMAN ELLIOTT  
50 O'CONNOR STREET  
SUITE 914  
OTTAWA ONTARIO

Our file - Notre référence  
378374-8

Re - Objet: Alcatel Networks Corporation

Société Par Actions De Régime Fédéral De Réseaux Alcatel

Enclosed herewith is the document issued in the above matter.

Vous trouverez ci-inclus le document émis dans l'affaire précitée.

A notice of issuance of CBCA documents will be published in the *Canada Corporations Bulletin*.

Un avis de l'émission de documents en vertu de la LCSA sera publié dans le *Bulletin des sociétés canadiennes*.

IF A NAME OR CHANGE OF NAME IS INVOLVED, THE FOLLOWING CAUTION SHOULD BE OBSERVED:

S'IL EST QUESTION D'UNE DÉNOMINATION SOCIALE OU D'UN CHANGEMENT DE DÉNOMINATION SOCIALE, L'AVERTISSEMENT SUIVANT DOIT ÊTRE RESPECTÉ :

This name is available for use as a corporate name subject to and conditional upon the applicants assuming full responsibility for any risk of confusion with existing business names and trade marks (including those set out in the relevant NUANS search report(s)). Acceptance of such responsibility will comprise an obligation to change the name to a dissimilar one in the event that representations are made and established that confusion is likely to occur. The use of any name granted is subject to the laws of the jurisdiction where the company carries on business.

Cette dénomination sociale est disponible en autant que les requérants assument toute responsabilité de risque de confusion avec toutes dénominations commerciales et toutes marques de commerce existantes (y compris celles qui sont citées dans le(s) rapport(s) de recherches de NUANS pertinent(s)). Cette acceptation de responsabilité comprend l'obligation de changer la dénomination de la société en une dénomination différente advenant le cas où des représentations sont faites établissant qu'il y a une probabilité de confusion. L'utilisation de tout nom octroyé est sujette à toute loi de la juridiction où la société exploite son entreprise.

We trust this is to your satisfaction.

Nous espérons le tout à votre satisfaction.

Réal Fortin

Document Examination Unit / Groupe d'examen de documents

Tel.: (613) 941-5751

Fax.: (613) 941-5782

Email: [corporations.efiling@ic.gc.ca](mailto:corporations.efiling@ic.gc.ca)

Internet: <http://strategis.ic.gc.ca/corporations>

Canada



Industry Canada

Industrie Canada

Certificate  
of AmendmentCanada Business  
Corporations ActCertificat  
de ModificationLoi canadienne sur  
les sociétés par actions

Alcatel Networks Corporation

Société Par Actions De Régime Fédéral De Restaux Alcatel

376374-9

Name of corporation-Dénomination de la société

I hereby certify that the articles of the  
above-named corporation were amended:

- a) under section 13 of the *Canada Business Corporations Act* in accordance with the attached notice;
- b) under section 27 of the *Canada Business Corporations Act* as set out in the attached articles of amendment designating a series of shares;
- c) under section 179 of the *Canada Business Corporations Act* as set out in the attached articles of amendment;
- d) under section 191 of the *Canada Business Corporations Act* as set out in the attached articles of reorganization;

Corporation number-Numéro de la société

Je certifie que les statuts de la société  
susmentionnée ont été modifiés:

- ☐ a) en vertu de l'article 13 de la *Loi canadienne sur les sociétés par actions*, conformément à l'avis ci-joint;
- ☐ b) en vertu de l'article 27 de la *Loi canadienne sur les sociétés par actions*, tel qu'il est indiqué dans les clauses modificatrices ci-jointes désignant une série d'actions;
- ☒ c) en vertu de l'article 179 de la *Loi canadienne sur les sociétés par actions*, tel qu'il est indiqué dans les clauses modificatrices ci-jointes;
- ☐ d) en vertu de l'article 191 de la *Loi canadienne sur les sociétés par actions*, tel qu'il est indiqué dans les clauses de réorganisation ci-jointes;

Director - Directeur

May 25, 2000 / le 25 mai 2000

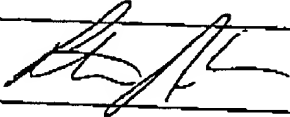
Date of Amendment - Date de modification

Canada

CANADA BUSINESS CORPORATIONS ACT  
FORM 4  
ARTICLES OF AMENDMENT  
(SECTION 27 OR 177)

1. Name of Corporation:  
NEWBRIDGE NETWORKS CORPORATION  
SOCIETE PAR ACTIONS DE REGIME FEDERAL  
DE RESEAUX NEWBRIDGE
2. Corporation No.: 376 374-9
3. The articles of the above-named corporation are amended as follows:

To change the name of the Corporation to Alcatel Networks Corporation Societe Par Actions De Regime  
Federal De Reseaux Alcatel.

Date: May 25, 2000	Signature: 	Title: Corporate Secretary
FOR DEPARTMENT USE ONLY: FILED: MAY 25 2000		

SCOTT C (292) 701

5.



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
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Washington, D.C. 20231

MAY 04, 2001

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PO BOX 957, STATION B  
280 SLATER ST., SUITE 1800  
OTTAWA, ON K1P 5S7

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RECORDATION DATE: 02/09/2001

REEL/FRAME: 011534/0575  
NUMBER OF PAGES: 4

BRIEF: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

## ASSIGNOR:

ALCATEL NETWORKS CORPORATION

DOC DATE: 09/29/2000

## ASSIGNEE:

ALCATEL CANADA INC.  
600 MARCH ROAD  
P.O. BOX 13600  
KANATA, ONTARIO K2K2E6

SERIAL NUMBER: 08884625  
PATENT NUMBER: 5818839

FILING DATE: 06/27/1997  
ISSUE DATE: 10/06/1998

JOANN STEWART, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

PROVINCE OF ONTARIO )  
 )  
REGIONAL MUNICIPALITY )  
 )  
OF OTTAWA-CARLETON )  
 )  
TO WIT: )

I, DOUGLAS MICHAEL GILL STEWART, a Notary Public in and for the Province of Ontario, by Royal Authority duly appointed, residing in the City of Ottawa, in the Regional Municipality of Ottawa-Carleton, in the said Province, DO HEREBY CERTIFY that the paper writing hereto annexed is a true copy of the Certificate of Amendment for ALCATEL CANADA INC. issued by Industry Canada on September 29, 2000, and I have granted the same under my Notarial Form and Seal of Office to serve and avail as occasion shall or may require.

IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my Notarial Seal at the City of Kanata this 12th day of October, 2000.

  
A Notary Public in and for the  
Province of Ontario

CANADA BUSINESS CORPORATIONS ACT  
FORM 4  
ARTICLES OF AMENDMENT  
(SECTION 27 OR 177)

1. Name of Corporation: Alcatel Networks Corporation  
Societe Par Actions De Regime Federal  
De Reseaux Alcatel
2. Corporation No.: 376374-9

3. The articles of the above-named corporation are amended as follows:

To change the name of the Corporation to Alcatel Canada Inc. effective at 11:25 p.m. on the date shown on the Certificate of Amendment effecting this amendment.

Date: September 20 <sup>th</sup> , 2000	Signature: <i>Donna Hie</i>	Title: <i>Assistant Secretary</i>
		FOR DEPARTMENT USE ONLY: FILED: OCT 02 2000

WALKERG\4340739\1



Industry Canada

Industrie Canada

**Certificate  
of Amendment****Canada Business  
Corporations Act****Certificat  
de modification****Loi canadienne sur  
les sociétés par actions**

Alcatel Canada Inc.

376374-9

Name of corporation-Dénomination de la société

Corporation number-Numéro de la société

I hereby certify that the articles of the  
above-named corporation were amended:Je certifie que les statuts de la société  
susmentionnée ont été modifiés:

- a) under section 13 of the *Canada Business Corporations Act* in accordance with the attached notice;
- b) under section 27 of the *Canada Business Corporations Act* as set out in the attached articles of amendment designating a series of shares;
- c) under section 179 of the *Canada Business Corporations Act* as set out in the attached articles of amendment;
- d) under section 191 of the *Canada Business Corporations Act* as set out in the attached articles of reorganization;

- ☐ a) en vertu de l'article 13 de la *Loi canadienne sur les sociétés par actions*, conformément à l'avis ci-joint;
- ☐ b) en vertu de l'article 27 de la *Loi canadienne sur les sociétés par actions*, tel qu'il est indiqué dans les clauses modificatrices ci-jointes désignant une série d'actions;
- ☒ c) en vertu de l'article 179 de la *Loi canadienne sur les sociétés par actions*, tel qu'il est indiqué dans les clauses modificatrices ci-jointes;
- ☐ d) en vertu de l'article 191 de la *Loi canadienne sur les sociétés par actions*, tel qu'il est indiqué dans les clauses de réorganisation ci-jointes;

Director - Directeur

September 29, 2000 / le 29 septembre 2000

Date of Amendment - Date de modification

Canada